

## ABSTRACT

### RENDERING GRAPHIC OBJECT BASED IMAGES

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Disclosed are methods, apparatus (1) and computer readable medium for generating instructions for a directed adjacency graph, such as an expression tree, into a raster pixel image having a plurality of scan lines and a plurality of pixel locations on each scan line. The expression tree comprises one or more parent nodes and one or more leaf nodes. The parent nodes each representing an operator and each having branches to respective descendent nodes. The leaf nodes each representing a graphic object. The apparatus comprises means for scanning a plurality of pixel locations (300). The apparatus further comprising a module (504) for determining, for each of the scanned pixel locations, a portion of the expression tree in accordance with the activity of the operators, where the portion of the expression tree is that portion which passes data up the tree. The apparatus also comprises a Module (506) for generating instructions for the determined portion of the expression tree, wherein operator instructions are generated for those operators of the determined portion of the expression tree having active branches and wherein leaf instructions are generated for those graphic objects which are active at the scanned pixel location.

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Fig. 5